

R E M A R K S

Corrections have been made to relevant claims under '112 rejection.

Claims 35 and 56, indicated as allowable, have been made independent, and should be formally allowed at this time.

Claims 37-40, 50 and 51 indicated as allowable have been re-written where necessary, and/or amended, and should now be formally allowable at this time.

Claim 1 has been amended to include spaces between multiple of the undulating conductors whereby coolant fluid can flow in such spaces to remove heat generated by diode operation. Claim 2 has been amended to include the step of flowing coolant fluid through said spaces for removing said heat. Yokoyama is not suggestive because as shown in his Figs. (1) and (2) there is no open spacing between his conductors 11 and 12, so that coolant fluid cannot flow between his conductors. Material 3 fills up space between conductors. See page 2 of the translation, mid-page, stating "resin filled up the clearance between the mesh-like solid wiring". Maas is even less suggestive since he has no undulating conductors, but rather has PC boards. Accordingly, claims 1, 2, and

Serial No. 10/722,672

all dependent claims are urged to be allowable. These include claims 2-26, 36, 41-49, and 52-55. Base claim 54 has been similarly amended, and is urged to be allowable for the same or similar reasons. Base claim 27 has also been similarly amended, and should be allowable along with dependent claims 28-34.

Nothing in Yokoyama or Maas suggests modification of either to meet the claims as above amended, and nothing in the remaining cited art, taken singly or together, or with Yokoyama and/or Maas, suggests the totality of each of the claims as now presented. To open up spaces in Yokoyama's device by removing needed resin, would be unobvious, as defeating the purposes of his filler 3.

Examiner refers repeatedly to "inherency" on pages 7-9, at least of the Action. However, the U.S. Court of Appeals for the Federal Circuit has stated that, "the mere fact that the prior art may be modified in the manner suggested by the Examiner does not make the modification obvious unless the prior art suggested the desirability of the modification. In re Fitch, 972 F.2d 1260, 1266, 23USPQ 2d 1780, 1784 (Fed. Cir. 1992) (citing In re Gordon, 733 F.2d 900, 902, 221 USPQ 1125, 1127 (Fed. Cir. 1984). Also, the inherency "manner" suggested by Examiner amounts to a mosaic filling

Serial No. 10/722,672

process.

Yokoyama and Maas, taken separately or together fail to suggest subject matter of the dependent claims in the contexts of the totalities of such claims.

Regarding the rejection of claims 17-24 at page 15 of the Action, claims 17-26 are based on claim 1; and no cited art suggests modification of the contents of 17-26 in combination with claim 1, as amended; and similarly, in view of the amendment of claim 27, no art suggest the totality of the combination of any of dependent claims 27-34, with claim 27.

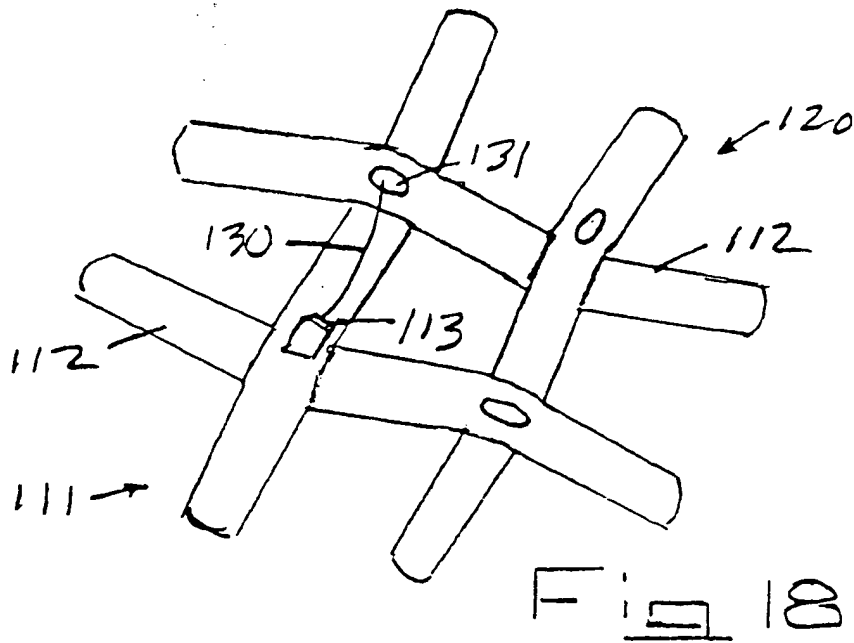
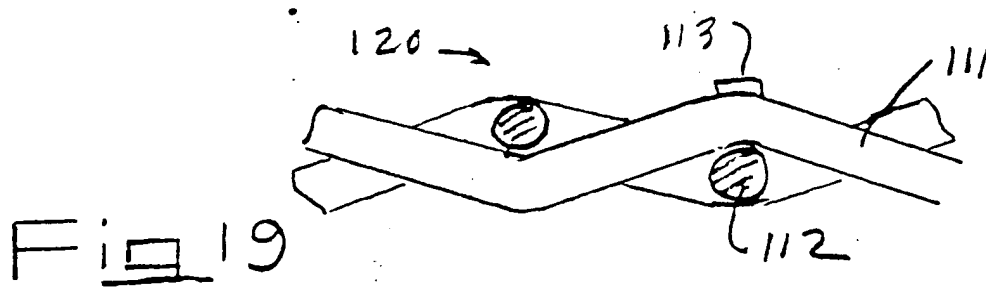
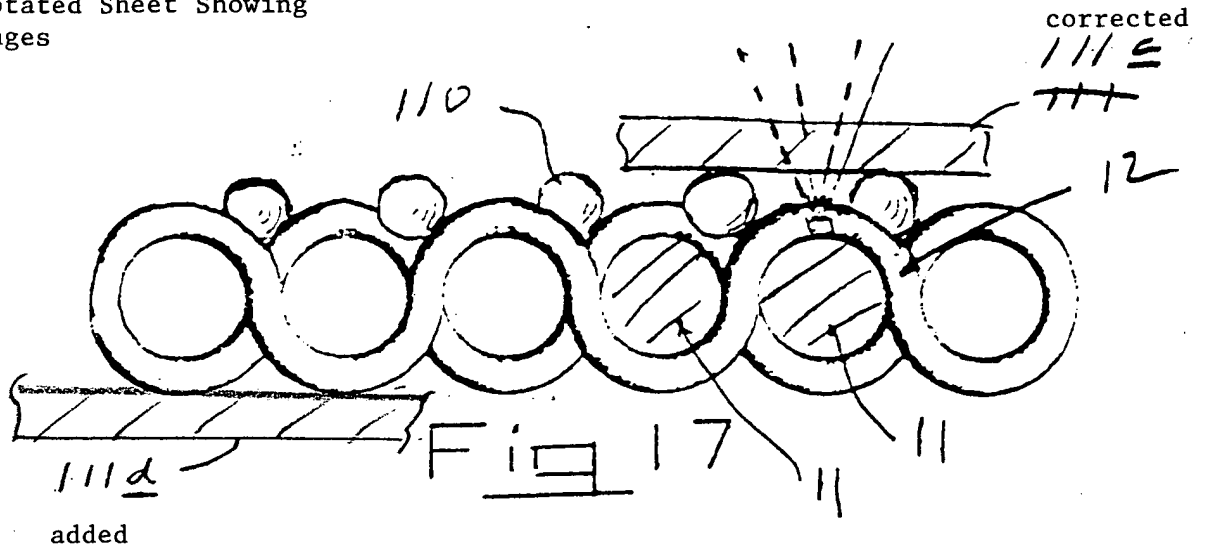
Corrected drawings (replacement sheets) are enclosed. The text has been amended at pages 5 and 19 to overcome objections states at page 2 of the Action.

Serial No. 10/722,672

**Amendments to the Drawings:**

The attached sheet of drawings includes changes to Fig. 17. This sheet, which includes Figs. 17-19, replaces the original sheet including Figs. 17-19. In Fig. 17, element 111d has been added, and element 111 has been changed to 111c.

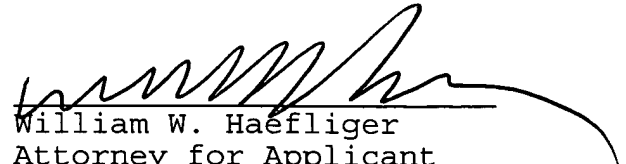
Attachment: Replacement Sheet  
Annotated Sheet Showing Changes



Serial No. 10/722,672

Allowance is respectfully urged. Kindly charge any additional fees or extension fees to our Deposit Account 08-0118.

Respectfully submitted,



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WWH:ts  
Docket 12,567